

**CLAIM AMENDMENTS**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims**

1. (Previously Presented) A method of presenting network object hierarchy information in a network management tool, the network management tool for use in managing a communication network having a hierarchy of network objects, the method comprising the steps of:

displaying status information of a displayed network object on a terminal, the displayed network object corresponding to equipment and having at least one higher-level network object within the hierarchy;

displaying an ordered series of a plurality of buttons on the terminal, each button corresponding to a network object within the hierarchy and being ordered according to a position within the hierarchy of the corresponding network object, the series including at least a displayed network object button corresponding to the displayed network object, the series further including a root button corresponding to a root object of the hierarchy;

when the number of network objects within the hierarchy between the root object and the displayed network object, inclusive, exceeds a maximum number of buttons displayable on the terminal, displaying a number of buttons less than the

number of network objects within the hierarchy between the root object and the displayed network object, inclusive;

displaying on each button at least a portion of a label indicating the corresponding network object; and

designating a new displayed network object by selecting a network object displayed in the status information or by selecting a button.

2. (Canceled)

3. (Canceled)

4. (Previously Presented) The method of claim 1, wherein the buttons are arranged along a horizontal row above the status information, with the root button at the left and the displayed network object button at the right.

5. (Original) The method of claim 1 comprising the further steps of:

monitoring for a position of a cursor on the terminal;

monitoring for the position of the cursor coinciding with a button for which only a portion of a label is displayed; and

while the position of the cursor coincides with a button for which only a portion of a label is displayed, displaying the label in its entirety.

6. (Previously Presented) A computer-readable medium having instructions for presenting network object hierarchy information as part of a network management tool, the network management tool for use in managing a communication network having a hierarchy of network objects, the computer-readable medium comprising:

instructions for displaying status information of a displayed network object on a terminal, the displayed network object corresponding to equipment and having at least one higher level network object within the hierarchy;

instructions for displaying an ordered series of a plurality of buttons on the terminal, each button corresponding to a network object within the hierarchy and being ordered according to a position within the hierarchy of the corresponding network object, the series including at least a displayed network object button corresponding to the displayed network object, the series further including a root button corresponding to a root object of the hierarchy;

instructions for determining when the number of network objects within the hierarchy between the root object and the displayed network object, inclusive, exceeds a maximum number of buttons displayable on the terminal, and displaying a number of buttons less than the number of network objects within the hierarchy between the root object and the displayed network object, inclusive;

instructions for displaying on each button at least a portion of a label indicating the corresponding network object; and

instructions for designating a new displayed network object upon selection of a network object displayed in the status information or upon selection of a button.

7. (Canceled)

8. (Canceled)

9. (Previously Presented) The computer-readable medium of claim 6, wherein the instructions for displaying an ordered series of buttons comprise instructions for displaying the buttons along a horizontal row above the status information, with the root button at the left and the displayed network object button at the right.

10. (Original) The computer-readable medium of claim 6 further comprising:  
instructions for monitoring for a position of a cursor on the terminal;  
instructions for monitoring for the position of the cursor coinciding with a button for which only a portion of a label is displayed; and  
instructions for displaying a label in its entirety while the position of the cursor coincides with a button for which only a portion of the label is displayed.

11. (Previously Presented) A method of presenting network object hierarchy information in a network management tool, the network management tool for use in

managing a communication network having a hierarchy of network objects, the method comprising the steps of:

displaying status information of a displayed network object on a terminal, the displayed network object corresponding to equipment and having at least one higher-level network object within the hierarchy;

displaying an ordered series of a plurality of buttons on the terminal, each button corresponding to a network object within the hierarchy and being ordered according to a position within the hierarchy of the corresponding network object, the series including at least a displayed network object button corresponding to the displayed network object, the series further including a root button corresponding to a root object of the hierarchy;

when the number of network objects within the hierarchy between the root object and the displayed network object, inclusive, exceeds a maximum number of buttons displayable on the terminal, displaying a number of buttons less than the number of network objects within the hierarchy between the root object and the displayed network object, inclusive;

displaying on each button an icon representing a type of equipment of the corresponding network object; and

designating a new displayed network object by performing an action selected from the group consisting of selecting a network object displayed in the status information and selecting a button.

12. (Previously Presented) A method of presenting network object hierarchy information in a network management tool, the network management tool for use in managing a communication network having a hierarchy of network objects, the method comprising the steps of:

displaying status information of a displayed network object on a terminal, the displayed network object corresponding to equipment and having at least one higher-level network object within the hierarchy;

displaying an ordered series of a plurality of buttons on the terminal, each button corresponding to a network object within the hierarchy and being ordered according to a position within the hierarchy of the corresponding network object, the series including at least a displayed network object button corresponding to the displayed network object, the series further including a root button corresponding to a root object of the hierarchy;

when the number of network objects within the hierarchy between the root object and the displayed network object, inclusive, exceeds a maximum number of buttons displayable on the terminal, displaying a number of buttons less than the number of network objects within the hierarchy between the root object and the displayed network object, inclusive;

displaying on each button an icon representing the corresponding network object; and

designating a new displayed network object by performing an action selected from the group consisting of selecting a network object displayed in the status information and selecting a button.

13. (Previously Presented) The method of claim 12, wherein each icon is selected from the group consisting of a horizontally pointing arrow and a vertically pointing arrow.

14. (Previously Presented) The method of claim 12, wherein a respective icon is rotated to indicate that the corresponding network object is the displayed network object.

15. (Previously Presented) The method of claim 1, wherein the buttons displayed include the root button, the displayed network object button, and buttons corresponding to network objects progressively higher in the hierarchy than the displayed network object.

16. (Previously Presented) The computer-readable medium of claim 6, wherein the buttons displayed include the root button, the displayed network object button, and buttons corresponding to network objects progressively higher in the hierarchy than the displayed network object.

17. (Previously Presented) The method of claim 11, wherein the buttons displayed include the root button, the displayed network object button, and buttons corresponding to network objects progressively higher in the hierarchy than the displayed network object.

18. (Previously Presented) The method of claim 12, wherein the buttons displayed include the root button, the displayed network object button, and buttons corresponding to network objects progressively higher in the hierarchy than the displayed network object.

19. (New) The method of claim 1, wherein, when a user has previously selected a number of network objects in a visited order and the visited order is not the same as the order according to the position within the hierarchy of the corresponding network object, the ordered series of the plurality of buttons is ordered according to the position within the hierarchy of the corresponding network object.

20. (New) The computer readable medium of claim 6, wherein, when a user has previously selected a number of network objects in a visited order and the visited order is not the same as the order according to the position within the hierarchy of the corresponding network object, the ordered series of the plurality of buttons is



ordered according to the position within the hierarchy of the corresponding network object.

21. (New) The method of claim 11, wherein, when a user has previously selected a number of network objects in a visited order and the visited order is not the same as the order according to the position within the hierarchy of the corresponding network object, the ordered series of the plurality of buttons is ordered according to the position within the hierarchy of the corresponding network object.

22. (New) The method of claim 12, wherein, when a user has previously selected a number of network objects in a visited order and the visited order is not the same as the order according to the position within the hierarchy of the corresponding network object, the ordered series of the plurality of buttons is ordered according to the position within the hierarchy of the corresponding network object.